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| II |    |    |   |    |    |     |    |

Application/Control No.

Applicant(s)/Patent under Reexamination

10/616,588

Examiner

JEON ET AL.

Art Unit

SOPHIA VLAHOS

2611

| <b>→</b> | Rejected |
|----------|----------|
| -        | Allowed  |

| - | (Through numeral)<br>Cancelled |  |  |  |  |  |  |  |  |
|---|--------------------------------|--|--|--|--|--|--|--|--|
| ÷ | Restricted                     |  |  |  |  |  |  |  |  |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |                |          | _            |              |          |          |              |          |  | L               |
|----------|----------------|----------|--------------|--------------|----------|----------|--------------|----------|--|-----------------|
| Cla      | im             | Date     |              |              |          |          |              |          |  |                 |
| Cle      |                |          |              | Г            |          | Jak      | ,            |          |  | $\dashv$        |
| _        | Original       | 9/12/06  | <u>_</u>     | ŀ            |          |          |              |          |  |                 |
| Final    | ig.            | 12       | 3/8/07       |              |          |          |              |          |  |                 |
| Ŀ        | ō              | ò        | જ            | -            |          |          |              |          |  |                 |
|          |                |          | ļ.,          | ļ            | _        | _        | _            | _        | _  | Н               |
|          | 1              | 1        | 1            | L_           |          |          |              |          |  | Щ               |
|          | 3              | ٧        | 1            |              |          |          |              |          |  | Щ               |
|          | 3              | 1        | 1            | _            | L        |          |              |          |  | Ц               |
|          | -4-            | 0        |              | 匚            |          |          |              |          |  |                 |
|          | 5              | 0        | 0            | _            | _        |          |              |          |  |                 |
|          | 6              | V        | 1            | _            | _        |          |              |          |  | Ш               |
|          | 7              | 1        | 1            |              |          |          |              |          |  |                 |
|          | 8              | V        | 1            |              |          |          |              |          |  |                 |
|          | 9              | 7 7 7    | 1            | L            | L        |          |              |          |  |                 |
|          | 10             | 1        | 1            |              |          |          |              |          |  |                 |
|          | 11             | ٧        | ٧            |              |          |          |              |          |  |                 |
|          | 12             | L        |              |              | L        |          |              |          |  |                 |
|          | 13<br>14       |          |              |              |          |          |              |          |  |                 |
|          | 14             |          |              |              | ·        |          |              |          |  |                 |
|          | 15<br>16<br>17 |          |              |              |          |          |              |          |  |                 |
|          | 16             | Г        |              |              |          |          |              |          |  |                 |
|          | 17             |          |              |              |          |          |              |          |  | ヿ               |
|          | 18             | 1        |              |              | T        | H        | Г            |          |  |                 |
|          | 18<br>19       | $\vdash$ |              |              |          | Н        | $\vdash$     | $\vdash$ | $\vdash$   |                 |
| $\vdash$ | 20             | -        | -            | ┢            | -        | H        | $\vdash$     | ┢┈       | Н  |                 |
|          | 21             | -        |              | H            |          |          | $\vdash$     | $\vdash$ |  |                 |
|          | 22             | $\vdash$ |              |              | $\vdash$ |          | $\vdash$     | $\vdash$ | Н  | -               |
|          | 23             | ┢        | -            | -            | -        | ÷        |              | H        | H  | -               |
| <u> </u> | 24             | -        | -            | -            | ┢        | -        | ┝            | $\vdash$ |  | $\vdash$        |
|          | 25             | ├        | ├            | -            | $\vdash$ |          | $\vdash$     | $\vdash$ | $\vdash$   | Н               |
|          | 25             | ⊢        | $\vdash$     | _            | ├-       |          | -            | -        | -  | -               |
|          | 26             | ├-       | <del> </del> |              | ├        | H        | -            |          |  | Н               |
|          | 27<br>28       | ⊢        | -            | -            | ⊢        | ⊢        | ├            | $\vdash$ |  | Н               |
|          | 20             | ├-       |              | -            | -        |          | -            | -        | _  | $\vdash$        |
|          | 29<br>30       | -        | -            | -            | ├        | ⊢        | ⊢            |          | -  | Н               |
|          | 30             | <u> </u> | _            | <del> </del> | <u> </u> |          | <u> </u>     | _        | _  | $\vdash \vdash$ |
|          | 31             | ļ.,      |              | ļ            | -        | _        |              |          | L  | Ш               |
|          | 32             | <u> </u> | L_           | ļ.,          | <u> </u> | <u> </u> |              |          | <u> </u>   | Ш               |
| <u> </u> | 33             | <u> </u> | <u> </u>     | _            | <u> </u> | _        |              |          | <u> </u>   | Щ               |
|          | 34<br>35       | L.       | ļ            | _            | <u> </u> | _        |              | _        | <u> </u>   | Ш               |
|          | 35             | <u> </u> | <u> </u>     | _            | ـــــ    | <u> </u> | <u>_</u>     | <u> </u> | <u> </u>   | Щ               |
|          | 36             | ┖        | ┖            | 乚            | _        | L        |              | _        | _  | Ш               |
|          | 37             |          | L            | _            | Ļ        |          |              |          | _  | Ш               |
|          | 38             | L        |              | L            | L        | <u>L</u> |              |          |  | Щ               |
|          | 39             |          | L            | _            |          | L        |              |          |  | Ш               |
|          | 40             |          | <u> </u>     | L            |          | L        |              | _        | L  | Ш               |
|          | 41             |          | _            | L            | L        |          | $oxed{oxed}$ | 匚        | L  |                 |
|          | 42             |          | 1_           | L            | L        | L        | <u> </u>     |          |  |                 |
|          | 43             | L        | L            |              |          |          |              |          | L  |                 |
|          | 44             |          |              | $L^-$        |          | L        |              |          |  |                 |
|          | 45             |          |              |              |          |          |              |          |  |                 |
|          | 46             |          |              |              |          |          |              |          |  |                 |
|          | 47             |          | Π            | Г            | Γ        | П        |              | Г        | Γ  |                 |
|          | 48             | Ť        | 1            |              | Π        | Г        | Г            | Г        | <u> </u>   |                 |
|          | 49             | T        | Г            | 1            | Τ_       |          | 1            | T        | Ι  | Н               |
| <b></b>  | 50             | t        |              | ┢            | <u> </u> |          |              | $\vdash$ | <del>                                     </del> | $\vdash \vdash$ |
|          |                |          | ь_           | ь_           |          | <u> </u> |              | Ц        | <u> </u>   | لب              |

| Cla      | im             |  | Date   |  |          |  |  |              |          |              |  |
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|          |                |  |  |  |          |  |  |              |          |              |  |
| Final    | Original       |  |  |  |          |  |  |              |          |              |  |
|          | 51             |  |  | -  |          |  |  |              |          |              |  |
|          | 52             |  |  |  |          |  |  |              |          |              |  |
|          | 53             |  |  |  |          |  |  |              |          |              |  |
|          | 54             |  |  |  |          |  |  |              |          |              |  |
|          | 55             |  |  |  |          |  |  |              |          |              |  |
|          | 56             |  |  |  |          |  |  | _            |          |              |  |
| L        | 57             |  |  |  |          |  |  |              |          |              |  |
|          | 58             | Ш  |  |  |          |  |  |              |          |              |  |
|          | 59             |  |  |  |          |  |  |              |          |              |  |
|          | 60             |  |  | _  |          |  |  |              |          |              |  |
| <u> </u> | 61             | Ш  |  |  |          |  |  |              |          |              |  |
|          | 62             | Щ  |  | Ш  |          | Щ  |  |              | Ш        |              |  |
| ·        | 63             | Li   |  | Ь.,  | L        |  |  | L            | L        |              |  |
| -        | 64             | $\vdash$   |  | $\vdash$   | $\vdash$ | $\vdash$   |  |              |          |              |  |
| <u> </u> | 65             | Ш  |  |  | _        |  |  |              |          |              |  |
|          | 66<br>67       | <u> </u>   |  | _  | <u> </u> | _  | _  |              |          |              |  |
|          | 6/             | <u> </u>   |  | _  | -        | -  |  |              | _        |              |  |
|          | 68             | _  |  | -  | -        | _  |  |              |          |              |  |
| -        | 69<br>70       | $\vdash$   |  | ┡  | H        | H  |  | _            | _        |              |  |
| -        | 70             |  | _  | ┝  | H        | $\vdash$   |  |              | _        |              |  |
| -        | 71<br>72<br>73 |  |  | ┝  | H        | $\vdash$   |  |              | -        | -            |  |
|          | 73             |  | -  |  | $\vdash$ | $\vdash$   |  |              | H        | <del> </del> |  |
| -        | 74             |  |  | <del> </del>                                     | $\vdash$ |  |  |              | -        |              |  |
| -        | 75             | $\vdash$   |  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   |              | -        | -            |  |
|          | 76             | $\vdash$   |  |  | -        | -  | $\vdash$   |              |          | _            |  |
|          | 77             |  |  |  |          |  | Г  |              | $\vdash$ | _            |  |
|          | 78             |  |  |  |          |  |  |              |          |              |  |
|          | 79             |  |  |  |          |  |  |              |          |              |  |
|          | 80             |  |  |  |          |  |  |              |          |              |  |
|          | 81             |  |  |  |          |  |  |              |          |              |  |
|          | 82             |  |  |  |          |  |  |              |          |              |  |
|          | 83             |  |  |  |          |  |  |              |          |              |  |
|          | 84             | Ш  |  |  |          |  |  | _            | _        | <u> </u>     |  |
|          | 85             | $oxed{oxed}$                                     | L.   | ļ  | <u> </u> | <u> </u>   |  | <u> </u>     | <u> </u> | $\vdash$     |  |
|          | 86             | <u> </u>   |  | <u> </u>   | <u> </u> | $\vdash$   | <u> </u>   | <u> </u>     | <u> </u> | _            |  |
| <u> </u> | 87             | <u> </u>   | _  | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>   | ļ.,          | <u> </u> | <del> </del> |  |
| <u> </u> | 88             | <u> </u>   |  | <u> </u>   | <u> </u> | $\vdash$   | <b> </b>   | <u> </u>     |          | <del> </del> |  |
| -        | 89             | <u> </u>   | ├  |  | $\vdash$ | ├-   | <u> </u>   | ⊢            | $\vdash$ | ⊢            |  |
|          | 90             | $\vdash$   | -  | -  | $\vdash$ | $\vdash$   | ⊢  | <del> </del> | $\vdash$ | $\vdash$     |  |
| -        | 91<br>92       | -  |  | $\vdash$   | ⊢        | -  |  | $\vdash$     | $\vdash$ | $\vdash$     |  |
|          | 93             | $\vdash$   | $\vdash$   | ├-   | ├-       | $\vdash$   |  | $\vdash$     | $\vdash$ | $\vdash$     |  |
| -        | 94             | +-   | $\vdash$   | $\vdash$   | ├─       | <del>                                     </del> | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     |  |
| $\vdash$ | 95             | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$ |  | $\vdash$   | $\vdash$     | $\vdash$ | _            |  |
| -        | 96             | <del>                                     </del> | <u> </u>   | -  | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     |  |
|          | 97             |  |  | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$   | T            |          | $\vdash$     |  |
|          | 98             | $\vdash$   | <del>                                     </del> | T  | Τ        |  | <del>                                     </del> | Т            |          | T            |  |
|          | 99             |  |  | Γ  | $\vdash$ | Г  |  |              |          | Г            |  |
|          | 100            |  |  |  |          |  |  |              | L        |              |  |
|          |                |  |  |  |          |  |  |              |          |              |  |

| Cla          | aim               |  |          |              |          | ate  | <del>)</del> |                |          | $\Box$          |  |  |  |
|--------------|-------------------|--|----------|--------------|----------|--|--------------|----------------|----------|-----------------|--|--|--|
| Final        | Original          |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 101               |  | $\dashv$ |              |          |  | ┪            |                |          | _               |  |  |  |
|              | 102               |  |          | 一            |          |  | $\neg$       |                |          |                 |  |  |  |
|              | 103               |  |          |              |          |  | $\neg$       |                |          |                 |  |  |  |
|              | 104               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 105               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 106               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 107               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 108<br>109        | Щ  |          | _            | _        |  |              |                |          | _               |  |  |  |
|              | 109               |  | _        |              |          | _  |              |                |          | 4               |  |  |  |
|              | 110               |  | _        |              |          |  |              |                |          | _               |  |  |  |
|              | 111               | $\square$  | $\dashv$ | $\dashv$     | _        | $\vdash$   | $\square$    | $\blacksquare$ |          | _               |  |  |  |
|              | 112               | Н  | $\dashv$ | -            |          | -  | $\dashv$     | $\vdash$       | $\vdash$ | $\dashv$        |  |  |  |
|              | 113               | $\vdash$   |          | $\vdash$     |          | Н  |              |                |          | 긕               |  |  |  |
|              | 113<br>114<br>115 | $\vdash$   | $\dashv$ | -            |          | $\vdash$   | $\vdash$     | $\vdash$       | $\vdash$ | ᅱ               |  |  |  |
|              | 116               | $\vdash$   | $\dashv$ | $\dashv$     |          | $\vdash$   | $\vdash$     | $\dashv$       | -        |                 |  |  |  |
|              | 116<br>117        | H  |          |              |          |  |              |                |          | $\dashv$        |  |  |  |
|              | 118               |  |          |              |          |  |              |                |          | $\dashv$        |  |  |  |
|              | 119               |  |          |              |          |  |              |                |          | $\dashv$        |  |  |  |
|              | 120               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 121               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 122               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 121<br>122<br>123 |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 124<br>125        |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 125               |  |          |              |          |  |              |                |          | $\Box$          |  |  |  |
|              | 126               |  |          |              | _        |  |              |                |          | Ц               |  |  |  |
|              | 127<br>128        |  |          |              |          | _  |              |                |          |                 |  |  |  |
|              | 128               | <u> </u>   |          | _            | <u> </u> |  | _            |                |          |                 |  |  |  |
|              | 129<br>130        |  |          |              |          | <u> </u>   |              |                |          |                 |  |  |  |
|              | 130               |  |          |              |          |  | _            |                |          |                 |  |  |  |
|              | 131               |  |          |              |          | -  |              |                |          |                 |  |  |  |
|              | 132<br>133        | $\vdash$   | $\vdash$ | $\vdash$     | _        | $\vdash$   | <u> </u>     | <u> </u>       |          |                 |  |  |  |
|              | 134               | $\vdash$   | $\vdash$ | $\vdash$     |          | H  | $\vdash$     |                | -        | $\vdash \vdash$ |  |  |  |
|              | 135               | $\vdash$   | Н        | $\vdash$     | -        | <del>                                     </del> |              | $\vdash$       | _        | $\vdash \vdash$ |  |  |  |
|              | 136               |  | П        |              |          | <u> </u>   |              | $\vdash$       | <u> </u> | $\Box$          |  |  |  |
| ·            | 137               |  |          | П            | Г        |  | Ε.           |                |          |                 |  |  |  |
|              | 138               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 139               |  |          |              |          |  |              |                |          |                 |  |  |  |
|              | 140               |  |          |              |          | 匚  | L            |                |          |                 |  |  |  |
|              | 141               | Ш  | L        | L            | <u> </u> | _  | L            | L_             | <u> </u> | Ш               |  |  |  |
|              | 142               |  | L        | <u> </u>     |          | <u> </u>   | <u> </u>     | <u> </u>       | <u> </u> | Щ               |  |  |  |
|              | 143               |  |          | <u> </u>     | _        | <u> </u>   | <u> </u>     | $\vdash$       | -        | $\vdash \vdash$ |  |  |  |
| <u> </u>     | 144               | <del> </del>                                     | <u> </u> | <u> </u>     | ļ        | <u> </u>   | <u> </u>     | $\vdash$       | $\vdash$ | Н               |  |  |  |
| <u> </u>     | 145               |  | <u> </u> | $\vdash$     | -        | <u> </u>   |              | $\vdash$       | $\vdash$ | $\vdash \vdash$ |  |  |  |
| <u> </u>     | 146<br>147        | $\vdash$   | <u> </u> | <del> </del> | <u> </u> | -  |              | $\vdash$       | <u> </u> | Н               |  |  |  |
|              | 148               | -  | $\vdash$ |              | -        | ├  | ├            | $\vdash$       | ⊢        | H               |  |  |  |
| <del> </del> | 149               | H  | $\vdash$ | <del> </del> | ├        | $\vdash$   | ⊢            | -              | -        | H               |  |  |  |
| <del> </del> | 150               | <del>                                     </del> | $\vdash$ | ┢            | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$       | $\vdash$ | $\vdash \vdash$ |  |  |  |